



Patent
Attorney Docket No. 040072-217

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Peter MALM et al.

Group Art Unit: 2183

Application No.: 10/622,742

Examiner: Unassigned

Filing Date: July 21, 2003

Confirmation No.: 9979

Title: FAST ITERATION TERMINATION OF TURBO DECODING

**SECOND
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a **SECOND** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
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Date: March 15, 2004

By Penny L. Caudle
Penny L. Caudle
Registration No. 46,607



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SECOND
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TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a SECOND Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

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Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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(703) 836-6620

Date: March 15, 2004

By

Penny L. Caudle

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Peter MALM et al.)	Group Art Unit: 2183
Application No.: 10/622,742)	Examiner: Unassigned
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For: FAST ITERATION TERMINATION OF)	
TURBO DECODING)	

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. The documents were cited in a European Search Report dated March 5, 2004.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date March 15, 2004

By: Penny L. Caudle
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SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

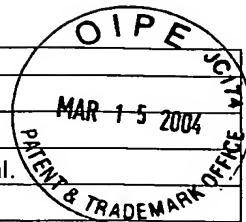
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Complete if Known

Application Number	10/622,742
Filing Date	July 21, 2003
First Named Inventor	Peter MALM et al.
Examiner Name	Unassigned
Attorney Docket Number	040072-217



U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Ye Liu et al., "An Interactive Concatenated Turbo Coding System", June 25, 2000, page 367; ISIT 2000, Sorrento, Italy
	A. Ambroze et al., "Practical aspects of iterative decoding", IEE Proceedings: Communications, Institution of Electrical Engineers, GB, Vol. 147, No. 2, 14 April 2000, pp. 69-74
	M. Bickerstaff et al., "A 24Mb/s radix-4 LogMAP turbo decoder for 3GPP-HSDPA mobile wireless", ISSCC 2003, Session 8, Communications Signal Processing, Paper 8.5, 9 February 2003, pp. 1-10
	U. Dasgupto et al., "Parallel decoding of turbo codes using soft output T-algorithms", VTC 2000, vol. 3, 24 September 2000, pp. 1204-1210
	M. J. Thul et al., "A scalable system architecture for high-throughput turbo-decoders", IEEE Workshop on Signal Processing Systems (SPIS '02) (Cat. No. 02TH8638), IEEE Workshop on Signal Processing Systems (SIPS'02), San Diego, CA, 16-18 October 2002, pp. 152-158

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.